



Marine Fenders International, Inc.

909 Mahar Avenue • Wilmington • California • 90744

Telephone 1-310-834-7037 • Fax 1-310-834-7825

E-mail: sales@marinefendersintl.com • www.marinefendersintl.com

Ocean Guard™ Advanced Super High Capacity Foam Filled Fenders

• Tested in accordance with PIANC guidelines.

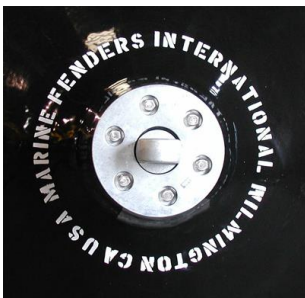
• Constructed to US Navy specifications.



• Thick, tough filament nylon reinforced non-marking urethane skin



• Heat laminated closed cell energy absorbing foam core.



• Integral swivel end fittings internally connected with a heavy duty stud-link chain

Fender Size		Energy Absorption (60% Compression)		Reaction Force (When EA is Achieved)		End Pull-Through Strength	
English Ø [ft] x L [ft]	Metric Ø [m] x L [m]	ft-kips	kN-m	kips	kN	kips	kN
2 x 4	0.6 x 1.2	33	45	60	267	9.5	42
2 x 6	0.6 x 1.8	54	73	99	440	9.5	42
2 x 8	0.6 x 2.4	75	102	141	627	9.5	42
2 x 10	0.6 x 3.0	96	130	180	801	9.5	42
3 x 5	0.9 x 1.5	93	126	135	600	9.5	42
3 x 6	0.9 x 1.8	117	159	144	641	9.5	42
3 x 8	0.9 x 2.4	165	224	204	907	17	76
3 x 10	0.9 x 3.0	213	289	264	1,174	17	76
3 x 12	0.9 x 3.7	261	354	324	1,441	17	76
3 x 14	0.9 x 4.3	309	419	384	1,708	17	76
4 x 6	1.2 x 1.8	180	244	168	747	17	76
4 x 8	1.2 x 2.4	267	362	249	1,108	17	76
4 x 10	1.2 x 3.0	354	480	333	1,481	17	76
4 x 12	1.2 x 3.7	438	594	408	1,815	34	151
4 x 16	1.2 x 4.9	609	826	567	2,522	34	151
4 x 20	1.2 x 6.1	780	1,058	726	3,229	34	151
5 x 8	1.5 x 2.4	405	549	300	1,334	17	76
5 x 10	1.5 x 3.0	540	732	402	1,788	34	151
5 x 12	1.5 x 3.7	675	915	501	2,228	34	151
5 x 14	1.5 x 4.3	807	1,094	600	2,669	34	151
5 x 16	1.5 x 4.9	939	1,273	699	3,109	34	151
5 x 18	1.5 x 5.5	1,071	1,452	798	3,550	70	311
6 x 12	1.8 x 3.7	900	1,220	558	2,482	34	151
6 x 14	1.8 x 4.3	1,092	1,481	675	3,002	34	151
6 x 16	1.8 x 4.9	1,281	1,737	795	3,536	70	311
6 x 18	1.8 x 5.5	1,473	1,997	915	4,070	70	311
6 x 20	1.8 x 6.1	1,662	2,254	1,032	4,590	70	311
7 x 14	2.1 x 4.3	1,461	1,981	777	3,456	70	311
7 x 16	2.1 x 4.9	1,722	2,335	915	4,070	70	311
7 x 18	2.1 x 5.5	1,980	2,685	1,053	4,684	70	311
7 x 20	2.1 x 6.1	2,241	3,039	1,191	5,298	70	311
7 x 22	2.1 x 6.7	2,499	3,389	1,329	5,911	70	311
8 x 12	2.4 x 3.7	1,593	2,160	738	3,283	70	311
8 x 14	2.4 x 4.3	1,857	2,518	864	3,843	70	311
8 x 16	2.4 x 4.9	2,199	2,982	1,023	4,550	70	311
8 x 18	2.4 x 5.5	2,541	3,446	1,182	5,258	70	311
8 x 20	2.4 x 6.1	2,883	3,909	1,341	5,965	70	311
8 x 22	2.4 x 6.7	3,225	4,373	1,500	6,672	110	489
9 x 14	2.7 x 4.3	2,337	3,169	966	4,297	70	311
9 x 16	2.7 x 4.9	2,670	3,621	1,104	4,911	70	311
9 x 18	2.7 x 5.5	3,096	4,198	1,281	5,698	70	311
9 x 20	2.7 x 6.1	3,525	4,780	1,458	6,485	110	489
9 x 22	2.7 x 6.7	3,954	5,362	1,635	7,272	110	489
10 x 16	3.0 x 4.9	3,243	4,398	1,206	5,364	70	311
10 x 18	3.0 x 5.5	3,774	5,118	1,404	6,245	70	311
10 x 20	3.0 x 6.1	4,305	5,838	1,602	7,126	110	489
10 x 22	3.0 x 6.7	4,836	6,558	1,800	8,006	110	489
10 x 24	3.0 x 7.3	5,433	7,367	2,022	8,994	110	489
11 x 18	3.4 x 5.5	4,446	6,029	1,503	6,685	110	489
11 x 20	3.4 x 6.1	5,088	6,899	1,719	7,646	110	489
11 x 22	3.4 x 6.7	5,730	7,770	1,938	8,620	110	489
11 x 24	3.4 x 7.3	6,249	8,474	2,112	9,394	110	489
12 x 20	3.7 x 6.1	6,489	8,799	2,124	9,448	110	489
12 x 24	3.7 x 7.3	7,785	10,556	2,550	11,342	110	489
13 x 26	4.0 x 7.9	9,720	13,180	2,955	13,144	110	489
14 x 28	4.3 x 8.5	12,000	16,272	3,390	15,079	110	489

* Actual values for above sizes may vary +/- 15% due to variations in materials, speed of compression, temperatures and tolerances.